

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Robert STRUIJS

Conf.

Application No. NEW NONPROVISIONAL

Group

Filed February 18, 2004

Examiner

A METHOD FOR THE NUMERICAL SIMULATION OF A PHYSICAL PHENOMENON WITH  
A PREFERENTIAL DIRECTION

INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION CONCURRENT WITH THE  
FILING OF A NEW PATENT APPLICATION)

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

February 18, 2004

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, and in fulfillment of the duty of disclosure under 37 C.F.R. § 1.56, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- ☐ Copies of the U.S. patents or publications are not submitted since the USPTO has waived their submission for applications filed after June 30, 2003.
- ☒ Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☐ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should have been forwarded from the International Search Authority pursuant to the trilateral agreement between the USPTO, EPO and JPO, or they are U.S. patents or U.S. published applications. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☐ **FOREIGN SEARCH REPORT OR ACTION**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

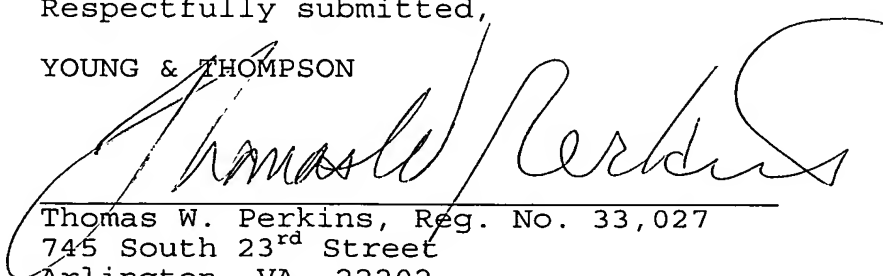
FEEs

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned.

Respectfully submitted,

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Enclosures: ☒ Form PTO-1449(s)  
☒ Documents  
☐ Foreign Search Report  
☐ Other: \_\_\_\_\_

# **INFORMATION DISCLOSURE CITATION IN AN APPLICATION**

(Use several sheets if necessary)

Attorney Docket No.:

**0594-1001-1**

Application No.:

**NEW NONPROVISIONAL**

Applicant:

**Robert STRUIJS**

Filing Date:

**February 18, 2004**

Group Art Unit:

## **U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing date (if appropriate)

## **FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

## **OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		Charles HIRSCH, "Numerical Computation of INTERNAL AND EXTERNAL FLOWS", Volume 1: Fundamentals of Numerical Discretization, Department of Fluid Mechanics, Vrije Universiteit Brussel, Brussels, Belgium
		Bram van LEER, "ICASE- PROGRESS IN MULTI-DIMENSIONAL UPWIND DIFFERENCING", ICASE Report No. 92-43, Contract Nos. NASI-18605 and NASI-19480 September 1992, Institute for Computer Applications in Science and Engineering NASA Langley Research Center, Hampton, Virginia 23665-5225
		P.L. ROE et al., SIAM JOURNAL ON NUMERICAL ANALYSIS, "OPTIMUM POSITIVE LINEAR SCHEMES FOR ADVECTION IN TWO AND THREE DIMENSIONS", Volume 29, Number 6, pp. 1542-1568, December 1992
		David Paul HILLS, "NUMERICAL AERODYNAMICS: PAST SUCCESSES AND FUTURE CHALLENGES FROM AN INDUSTRIAL POINT OF VIEW, 1996, D.P. Hills, Computational Methods in Applied Sciences '96, Published in 1996 by John Wiley & Sons
		Murray R. SPIEGEL, "MATHEMATICAL HANDBOOK OF FORMULAS AND TABLES", Including 2400 Formulas and 60 Tables, Schaum's Outline Series, Rensselaer Polytechnic Institute, September 1968
		Peter LAX et al., New York University and Los Alamos Scientific Laboratory, "SYSTEM OF CONSERVATION LAWS", COMMUNICATION ON PURE AND APPLIED MATHEMATICS, VOL. XIII, 217-237 (1960)

EXAMINER:

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

\* Abstract provided for the Examiner's convenience

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